

IMPOSING AND RECOVERING CORRELITHM OBJECTS IN CONJUNCTION  
WITH TABLE LOOKUP

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ABSTRACT OF THE DISCLOSURE

10 Encoding bits includes receiving a bit set to  
encode. An encoding lookup table associates correlithm  
objects of a space with bit sets. The space refers to an  
N-dimensional space, a correlithm object refers to a  
point of the space. The correlithm object corresponding  
to the received bit set is identified. The received bit  
set is encoded as the identified correlithm object. The  
15 identified correlithm object is imposed to encode the  
received bit set and subsequently decoded with table  
lookup using the reverse process.